U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-298 589

National Environmental/Energy Workforce Assessment. Composite: Environmental Engineering/Technology

National Field Research Center, Inc, Iowa City, IA

Prepared for

Environmental Protection Agency, Washington, DC Office of Research and Development

Aug 79

EPA-600/8-79-023j
August 1979

PB 298589

NATIONAL
ENVIRONMENTAL/ENERGY
WORKFORCE ASSESSMENT
PHASE III

COMPOSITE:

ENVIRONMENTAL ENGINEERING/ TECHNOLOGY

1979

Conducted by:
NATIONAL FIELD RESEARCH CENTER, INC.

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U. S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

DISCLAIMER

This report has been reviewed by the Office of Research and Development, U.S. Environmental Protection Agency, and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO.	2.	3. RECIPIENT'S ACCESSION NO.
EPA-600/8-79-023j		PB298589

4. TITLE AND SUBTITLE	5. REPORT DATE
NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, PHASE III. Composite: Environmental Engineering/ Technology	August 1979 issuing date
	6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S)	8. PERFORMING ORGANIZATION REPORT NO.
National Field Research Center, Inc.	
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT NO.
	2BC651
National Field Research Center, Inc. P.O. Box 287 Iowa City, Iowa 52240	11. CONTRACT/GRANT NO. T900591-03
12. SPONSORING AGENCY NAME AND ADDRESS	13. TYPE OF REPORT AND PERIOD COVERED
U.S. Environmental Protection Agency Office of Research and Development (RD-680) 401 M Street, S.W. Washington, D.C. 20460	Phase III Final Report 14. SPONSORING AGENCY CODE EPA/600/19

15. SUPPLEMENTARY NOTES

16. ABSTRACT

This directory, one of 18 volumes in Phase III of the National Environmental/Energy Workforce Assessment, provides information on post-secondary environmental education programs in the United States. Structured around information requests mailed to post-secondary education institutions, the directory provides the name and address of each institution listed, a contact person at each institution, the academic program title, and the degree offered at the institution (2-year, 4-year, etc.).

Phase III includes twelve such directories of post-secondary programs: One each for air, noise, pesticides & toxicology, potable water, wastewater, radiation, solid waste, and energy; one for combined water/wastewater programs; and a composite volume on each of the three areas of environmental engineering/technology, environmental science/health, and environmental studies. In addition, Phase III includes the following six volumes: Environmental Employment in Public Service Jobs Programs -- An Analysis of CETA Title VI FY 78 Projects; Salaries & Attendant Problems of Public Sector Environmental Employment; The Role of CETA in Direct Training and Employment; Private Sector Training Activities; Problems in Environmental Education & Training; and the Workforce Planning Bibliography.

Phase I of the Assessment evaluated workforce needs for pollution control and abatement in the U.S. during 1976-81. Phase II gathered data on training and educational programs in the post-secondary environmental education field as of 1978.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Manpower Environmental Engineering Environmental Health Environmental Education Environmental Protection Pollution Control Instruction Schools Education Ecology Labor Force Employment Environmental Sciences Environment	Directory of Post-Secondary Environmental Education	05/I 05/D

18. DISTRIBUTION STATEMENT	19. SECURITY CLASS *(This Report)*	21. NO. OF PAGES
RELEASE TO PUBLIC	UNCLASSIFIED	116
	20. SECURITY CLASS *(This page)*	22. PRICE
	UNCLASSIFIED	PC A06/MF A01

EPA Form 2220-1 (9-73)

National
Field
Research
Center, Inc.

NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT PHASE III

Conducted by:

NATIONAL FIELD RESEARCH CENTER, INC.

Under Grant from:

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

Grant No. T900591-03

1979

This document has been reviewed by the Environmental Protection Agency and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Environmental Protection Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

OFFICES

– DENVER –
2600 S. Parker Road
Suite 160, No. 6
Denver, CO 80232

– ATLANTA –
2700 Cumberland Pkwy.
Suite 150
Atlanta, GA 30339

– IOWA CITY –
230 E. Benton
P.O. Box 287
Iowa City, IA 52240

– WASHINGTON, D.C. –
1522 K Street, N.W.
Suite 600
Washington, DC 20005

INTRODUCTORY NOTE

The National Environmental/Energy Workforce Assessment, Phase III, was conducted by National Field Research Center, Inc., with main offices in Iowa City, Iowa. The following personnel have had primary responsibility for the development of the project reports.

IOWA CITY, IOWA
Dr. Darold E. Albright, President
Amy W. Mook
Mary Kay (Edge) Wade

ATLANTA, GEORGIA
Elizabeth G. Nielsen, Regional Director
Marilyn J. Horton

DENVER, COLORADO
Nancy C. Dillenberg, Regional Director
Thomas W. Hawley
Bruce D. Boxer

WASHINGTON, D.C.
Frank E. Smith, Project Coordinator
Jack F. Seum, Regional Director
Robert D. Oxberger
Gary S. Lance

Additional research and clerical assistance was provided by Linda Bardelmeier, Elaine Clark, Cynthia Fruendt, Seteria Johnson, and Lorna Krueger. Original artwork in the volumes was created by Margie V. Gardner.

TABLE OF CONTENTS

	page
ACKNOWLEDGEMENT	vi
PREFACE	vii
FOREWORD	viii
PROJECT BACKGROUND	1
PROJECT METHODOLOGY	4
INTRODUCTION	6
PROGRAMS, ALPHABETIZED BY INSTITUTION	10
APPENDIX	
PROGRAMS, LISTED BY STATE	98

ACKNOWLEDGEMENT

The volumes of post-secondary environmental and energy programs were developed under the auspices and guidance of the U.S. Environmental Protection Agency, by the National Field Research Center, Inc. as part of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, PHASE III. Sincere appreciation is extended to the many individuals and institutions who assisted in the identification and description of the programs, thus generously contributing to the success of this national project. Of particular importance are those individuals identified as contact persons in the program entries.

A special word of appreciation is extended to Mr. J. Donald Cook, Chief, Workforce Coordination Team, U.S. Environmental Protection Agency, Washington, D.C., and to the Manpower Officers and Workforce Coordinators from each of the U.S. Environmental Protection Agency Regional Offices.

PREFACE

This volume includes all identified post-secondary education and/or training programs which have been selected as pertinent to one media-specific area (i.e., air, wastewater, etc.). For ease of handling, the programs are presented in alphabetical order according to the name of the institution. The Appendix, however, presents a listing of the institutions by state, with reference to page numbers.

This portion of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, Phase III, was conducted for the U.S. Environmental Protection Agency, by the National Field Research Center, Inc. with offices located in Iowa City, Iowa; Atlanta, Georgia; Denver, Colorado; and Washington, D.C.

FOREWORD

Information for this portion of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, Phase III, was compiled through extensive review of catalogues from post-secondary education institutions listed in Post-Secondary Education, Education Directory, Colleges & Universities, 1976-77. All program entries were sent to the institutions for review and correction. In most cases, the program entries were returned after being reviewed. Those entries which were not returned have been indicated by an asterisk in front of the program title.

This twelve-volume report contains program entries from junior colleges, vocational/technical training institutes, community colleges, four-year colleges, and universities, as well as other training institutions. Programs are representative of all levels, from academic certification through doctoral degrees. The environmental pollution control areas of air, noise, pesticides, potable water, radiation, solid waste, wastewater and energy were surveyed. In addition, some programs which were not readily categorized

into media-specific areas (i.e., radiation, air, etc.) or which represented multiple media areas in curricula content, have been presented under the title of composite.

Readers are advised that material from the Acknowledgement through the Project Methodology is identical in all twelve program volumes. The reason for such duplication rests with the division of volumes into media specific areas, which increases probability that individuals will only read a given volume of special interest.

Readers are further advised that the purpose of these volumes is to point the direction for further information. Courses, programs and individuals are all subject to change over a given period of time. The inclusion of a specific program does not assure that the program is conducted every year nor does it assure that graduates meet specialized occupational requirements. Readers with specific questions should correspond directly with contact persons.

PROJECT BACKGROUND

The NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, conducted by the National Field Research Center under the direction of the U.S. Environmental Protection Agency, is an effort to meet the national concern for the preservation and conservation of our country's resources. The project was developed as a multi-phase direct inquiry into the availability and readiness of our environmental workforce.

In keeping with the objective of the assessment, this national effort was directed at environmental/energy workforce requirements, national environmental education preparedness, and the functional relationship between the two.

Phase I of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT focused upon the development of "workforce demand projections" through 1982 for all public environmental agencies. This on-site assessment, which was carried out in all 50 states, Puerto Rico and the Virgin Islands, culminated in a numerical profile of the growth patterns and workforce needs at national and state levels. Stratification of the overall definition of "environmental occupation" into seven

distinct vocational areas enhanced even further the applicability of the results. In addition to this public sector workforce assessment, Phase I included an overview analysis of private sector needs and a brief review of selected environmental educational programs.

Phase II of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT was structured around an intensive on-site inventory of representative environmental educational offerings on a national scale. The primary objective of this portion of the project was to collect and aggregate data on training and educational programs in both the post-secondary education field and in the private sector and to do so by environmental area. Specifically, the study was designed to provide an overview of environmentally related post-secondary education programs, their program structures, representative course offerings, employment history of the graduates, and the faculty structures. Additionally, information was collected on program requirements and program projections regarding faculty and students.

Phase III of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT was completed in mid-1979. In an effort to draw together the relationship between Phase I and Phase II

of the project, several major areas were selected and monographs developed. In an effort to assist Federal and State planners, an environmental/energy manpower bibliography was developed and annotated. A final portion of the Phase III involved the identification of all environmental/energy post-secondary education programs as compared to the Phase I and Phase II which presented representative programs. This compendium of post-secondary environmental/energy programs was presented in media-specific volumes (i.e., Air, Potable Water, Solid Waste, etc.). While more extensive research may be advisable, it is anticipated that the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT in its entirety represents the most comprehensive research effort to date regarding environmental/energy workforce requirements and the educational community's ability to meet these needs.

PROJECT METHODOLOGY

The NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, Phase III, includes several components, one of which is made up of the directories of post-secondary environmental/ energy programs. Utilizing the Post-Secondary Education, Education Directory, Colleges and Universities, 1976-77, requests were made of the 3,075 institutions and in addition any new institutions which could be identified. All environmental programs were categorized according to media areas, i.e., air, water, radiation, etc. The program entry information was sent to the contact person for corrections, deletions and general review. The contact persons were requested to return the reviewed information to project personnel. In the majority of cases, the information was returned by the institutions. Those program entries which were not returned have been indicated with an asterisk in front of the program title.

In total, 1,359 programs are presented in these volumes. All 50 states, the District of Columbia, Puerto Rico and the Virgin Islands are represented in the program entries. The introductions of each

volume present the details of selection criteria, geographic location, etc., of the programs presented in that specific environmental area.

The directories have been prepared by media specific area. The volumes which make up this portion of the project are:

* AIR
* NOISE
* PESTICIDES & TOXICOLOGY
* POTABLE WATER
* WASTEWATER
* WATER/WASTEWATER
* RADIATION
* SOLID WASTE
* ENERGY
* COMPOSITE: Environmental Engineering/Technology
* COMPOSITE: Environmental Science/Health
* COMPOSITE: Environmental Studies

INTRODUCTION

Beginning with Phase II of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT project, which addressed the capabilities of the educational community to generate an environmental workforce, definitional problems developed as to the placing of programs into media specific areas, i.e., air, radiation, etc. While a great number of the programs could be categorized according to the traditional EPA media areas, other programs which were broader in scope, were not so easily allocated to these divisions.

It became apparent that a broad-based category would have to be developed in order to include those programs which did not readily fit into any single category. Either these programs could be allocated to more than one media area or they were not applicable to any media area. In order to include these unique and/or broad-based programs, a non-media specific category entitled COMPOSITE was created. Under the Phase II of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT project two composite categories were defined and subsequently three volumes of educational/training program summaries were developed.

This report will be developed to include three composite volumes entitled as follows:

* COMPOSITE: Environmental Engineering/ Technology
* COMPOSITE: Environmental Science/Health
* COMPOSITE: Environmental Studies

The first of these three composite volumes includes the traditional engineering and environmental engineering programs as well as engineering technology programs. In total, 39 states and one territory are represented in this volume of 175 environmental engineering/technology programs. Program areas of concentration include: environmental engineering; engineering technology; environmental control; sanitary engineering; water quality control; air resources; energy; mechanical engineering; urban environmental problems; environmental systems; and, solid waste/ hazardous and toxic wastes management and disposal, among others. Often more than one of these concentrations or emphases are applicable to one program.

A wide range of degree offerings is included in this composite volume. Table I below illustrates degrees offered through the programs included in this volume.

TABLE I

COMPOSITE:
Environmental Engineering/Technology Programs

Numbers and Types of Degrees Offered

Degree Level	No. of Programs	% of Total
Certificate; Two-Year	2	1.2%
Two-Year	30	17.1%
Two-Year; Four-Year	3	1.7%
Four-Year	51	29.1%
Four-Year; Graduate	48	27.5%
Graduate	37	21.1%
Graduate; Special Certificate	3	1.7%
N/A	1	0.6%
TOTAL	175	100.0%

Examination of Table I above reveals that the majority (78%) of the programs are being offered at the bachelors and graduate level. In addition, 83% of the programs are being conducted in four-year institutions.

All programs included in this volume were submitted to the institutions for review and/or corrections. With the exception of 15%, all programs were reviewed and returned to project personnel. Those programs comprising the 15% are denoted by the addition of an asterisk in front of the program title.

Geographically the preponderance (60%) of programs are located in the northeastern section of the United States in 18 states, while 51 of the programs (29%) are on-going in 14 southeastern states. The remainder of these programs are being conducted in the western states: 2% of the programs in three northwestern states, and 9% in six southwestern states.

The following program entries are presented in alphabetical order in accordance with the institutional name. For a listing of programs by state location, the reader is referred to the Appendix.

PROGRAMS, ALPHABETIZED BY INSTITUTION

AUBURN UNIVERSITY

Auburn, Alabama 36830

Catalog Year
1977

contact person:
Dr. Taylor D. Littleton, Vice President
Academic Affairs
(205) 826-4000

program title: **Environmental Engineering**
emphasis: **Water & wastewater treatment**
department: **Civil Engineering**
degree: **Graduate**

BERGEN COMMUNITY COLLEGE

400 Paramus Road
Paramus, New Jersey 07652

Catalog Year
1978

contact person:
Dr. Sahid Hasan, Chairperson
Department of Biological Sciences
(201) 447-1500

program title: **Environmental Technology**
emphasis: **Wastewater & Water Technology, Atmospheric Pollution Control**
department: **Biological Sciences/Physical Sciences & Math**
degree: **2 year**

BLUEFIELD STATE COLLEGE

Bluefield, West Virginia 24701

Catalog Year
1977-79

contact person:
Dr. D.C. Klingensmith, Chairperson
Division of Engineering Technology
(304) 325-7102

program title: **Civil Engineering Technology**
emphasis: **Course in Environmental Studies**
department: **Civil Engineering Technology**
degree: **2 year**
4 year

BOSTON UNIVERSITY

110 Cunnington St.
Boston, Massachusetts 02215

Catalog Year
1976-77

contact person:
Dr. Louis Padulo, Dean
Engineering
(617) 353-2800

program title: **Human Environment Institute**
department: **College of Engineering, Human Environmental Institute**
degree: **Non-degreed**
comments: **Cooperates with the academic departments of Boston University and groups outside the University in sponsoring programs in environmental studies.**

BREVARD COMMUNITY COLLEGE

Clearlake Road
Cocoa, Florida 32922

Catalog Year
1975-77

contact person:
Mr. Paul Wignal
Occupational Curriculum Coordinator
(305) 632-1111

program title: **Environmental Control Engineering Technology**
department: **Occupational Education**
degree: **2 year**

CALIFORNIA INSTITUTE OF TECHNOLOGY

1201 East California Blvd.
Pasadena, California 91125

Catalog Year
1977-78

contact person:
Dr. Jack Edward Mckee
Director
(213) 795-6811

program title: **Environmental Engineering Science**
department: **Interdisciplinary**
degree: **4 year**
Graduate
comments: **Also offers air courses.**

CALIFORNIA INSTITUTE OF TECHNOLOGY

1201 East California Blvd.
Pasadena, California 91125

Catalog Year
1977-78

contact person:
Dr. Sheldon Kay Friedlander, Professor
Chemical Engineering & Environmental Health Engineering
(213) 795-6811

*program title: **Environmental Health Engineering**
emphasis: **Biological Engineering Science**
department: **Chemical Engineering & Environmental Health Engineering**
degree: **4 year**
comments: **Also offers water courses.**

CALIFORNIA POLYTECHNIC STATE UNIVERSITY

San Luis Obispo, California 93407

Catalog Year
1975-77

contact person:
Dr. Walter E. Holtz
Department Head
(805) 546-0111

program title: **Environmental Engineering**
emphasis: **Air Pollution Control; Water Pollution and Waste Management.**
department: **Environmental Engineering**
degree: **4 year**

CANADA COLLEGE

4200 Farm Hill Blvd.
Redwood City, California 94061

Catalog Year
1977-78

contact person:
Mr. John C. Forsythe, Jr ., Director
Science and Engineering
(415) 364-1212

program title: **Environmental Technology**
department: **Life Sciences**
degree: **2 year**

CARNEGIE-MELLON UNIVERSITY
CARNEGIE INSTITUTE OF TECHNOLOGY

Pittsburgh, Pennsylvania 15213

Catalog Year
1977-79

contact person:
Dr. M. Granger Morgan, Head
Associate Professor, Engineering and
Public Policy
(412) 578-2672

program title: **Engineering and Public Policy**
department: **Engineering and Public Policy**
degree: **Graduate**

CASE WESTERN RESERVE UNIVERSITY

Cleveland, Ohio 44101

Catalog Year
1977-78

contact person:
Dr. Peter B. Melnyk, Assistant Professor
Chemical Engineering
(216) 368-2978

* program title: **Energy & the Environment**
department: **Chemical Engineering**
degree: **4 year**
Graduate

CATHOLIC UNIVERSITY OF AMERICA

Washington, D.C. 20064

Catalog Year
1976-78

contact person:
Dr. Timothy Kao, Professor
Civil Engineering
(202) 635-5300

program title: **Civil Engineering Program**
emphasis: **Noise Control, Air pollution, Water Pollution, Sanitary Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

CITY UNIVERSITY OF NEW YORK, CITY COLLEGE

300 Jay Street
Brooklyn, New York 11201

Catalog Year
1977-79

contact person:
Dr. Samuel Lomask
Coordinator
(212) 239-1696

program title: **Environmental Control Technology**
emphasis: **Includes Air Pollution Control, Water Quality, Advance Control Laboratory Instrument & Control Design; Environmental System Design; Selected topics in Pollution Control**
degree: **2 year**

CITY UNIVERSITY OF NEW YORK, CITY COLLEGE

Convent Avenue at 138th Street
New York, New York 10031

Catalog Year
1978-79

contact person:
Mr. John Fillos, Assistant Professor
Civil Engineering
(212) 690-8145

program title: **Non-designated**
emphasis: **Air, water, radiation, health**
department: **Civil Engineering**
degree: **Graduate**

CITY UNIVERSITY OF NEW YORK, CITY COLLEGE

Convent Avenue at 138th Street
New York, New York 10031

Catalog Year
1975-76

contact person:
Dr. Joseph Pistrang
Coordinator of the Program
(212) 690-6704

program title: **Urban and Environmental Engineering Option**
emphasis: **Environmental Engineering**
department: **City College Civil Engineering Department**
degree: **4 year**

CLARKSON COLLEGE

Potsdam, New York 13676

Catalog Year
1976-78

contact person:
Dr. Edward B. Kear, Jr., Chairperson
Mechanical and Industrial Engineering Department
(315) 268-6586

program title: **Mechanical and Industrial Engineering**
emphasis: **Elective Concentration in Environmental Engineering (Noise, Solid Waste and Air); Power Engineering**
department: **Mechanical and Industrial Engineering**
degree: **4 year**
Graduate

CLARKSON COLLEGE

Potsdam, New York 13676

Catalog Year
1976-78

contact person:
Dr. William R. Wilcox
Chairperson
(315) 268-6400

program title: **Chemical Engineering**
emphasis: **Elective Concentration in Energy Engineering, Environmental Engineering**
department: **Chemical Engineering**
degree: **4 year**
Graduate

CLARKSON COLLEGE

Potsdam, New York 13676

Catalog Year
1976-78

contact person:
Dr. Norbert L. Ackerman
Chairperson
(315) 268-6529

program title: **Civil and Environmental Engineering**
emphasis: **Elective concentrations in Environmental - Industrial Water Quality, Solid Waste Water Resources**
department: **Civil and Environmental Engineering**
degree: **4 year**
Graduate

CLEMSON UNIVERSITY

Clemson, South Carolina 29631 Catalog Year
1977-78

contact person:
Dr. Thomas M. Keinath, Professor
Head of Environmental Systems Engineering
(803) 656-3276

program title: **Natural Systems**
department: **Environmental Systems Engineering**
degree: **Graduate**

CLEMSON UNIVERSITY

Clemson, South Carolina 29631 Catalog Year
1977-78

contact person:
Dr. Thomas M. Keinath, Professor
Head of Environmental Systems Engineering
(803) 656-3276

program title: **Environmental Systems Engineering**
department: **Environmental Systems Engineering**
degree: **Graduate**

CLEVELAND STATE UNIVERSITY

Euclid Avenue at East 24th St.
Cleveland, Ohio 44115

Catalog Year
1976

contact person:
Dr. G.A. Coulman
Professor
(216) 687-2569

program title: **Environmental Engineering**
department: **Chemical Engineering**
degree: **4 year**
Graduate

COLUMBIA UNIVERSITY

School of Engineering & Applied Science
New York, New York 10027

Catalog Year
1977-79

contact person:
Dr. Frank L. DiMaggio
Chairperson
(212) 280-2993

program title: **Environmental Engineering**
department: **Civil Engineering & Engineering Mechanics**
degree: **4 year**

COOPER UNION

Cooper Square
New York, New York 10003

Catalog Year
1977-79

contact person:
Dr. Chor Weng Tan, Dean
School of Engineering
(212) 254-6300

* program title: **Engineering with a minor concentration in Environmental Engineering and Energy Resources Engineering**
department: **Interdisciplinary Engineering**
degree: **4 year**

COOPER UNION

Cooper Square
New York, New York 10003

Catalog Year
1977-79

contact person:
Dr. John L. Bove, Professor
Chemistry and Environmental Engineering
(212) 254-6300

program title: **Integrated Master's Program in Engineering with concentration in Environmental Engineering**
emphasis: **BioEngineering; Environment Fundamentals; Energy; Environmental Impact, Planning & Law; related topics**
department: **School of Engineering**
degree: **Graduate**

CORNELL UNIVERSITY

College of Engineering
Ithaca, New York 14853

Catalog Year
1977-78

contact person:
Dr. D.P. Loucks
Chairperson
(607) 256-4896

program title: **Environmental Engineering**
emphasis: **Sanitary Engineering, Hydraulics, Water Resources, Systems Analysis**
department: **Environmental Engineering**
degree: **4 year**
Graduate

DARTMOUTH COLLEGE

Hanover, New Hampshire 03755

Catalog Year
1977-78

contact person:
Dr. Carl F. Long, Dean
Thayer School of Engineering
(603) 646-2238

program title: **Engineering and Engineering Sciences Environmental Measurements Laboratory - Environmental Studies**
department: **Engineering and Engineering Sciences**
degree: **4 year**
Graduate

DELAWARE TECHNICAL AND COMMUNITY COLLEGE

P.O. Box 897
Denney's Road & U.S. Route 13
Dover, Delaware 19901

Catalog Year
1977-79

contact person:
Mr. James T. Lober, Chairperson
Applied Sciences
(302) 368-6984

program title: **Environmental Engineering Technology**
emphasis: **Air, Water**
department: **Applied Sciences**
degree: **2 year**

DETROIT INSTITUTE OF TECHNOLOGY

2727 Second Avenue
Detroit, Michigan 48201

Catalog Year
1976-77

contact person:
Dr. S. B. Sehgal, Dean
College of Engineering
(313) 962-0830

* program title: **Environmental Sequence**
department: **Civil Engineering**
degree: **4 year**

DREXEL UNIVERSITY

Philadelphia, Pennsylvania 19104 Catalog Year
1977-78

contact person:
Dr. P. Walton Purdom, Director
Environmental Engineering & Science
(215) 895-2000

program title: **Environmental Engineering and Science Program**
emphasis: **Science and engineering applications to problem assessment solution**
department: **Environmental Studies Institute**
degree: **Graduate**

DREXEL UNIVERSITY

Philadelphia, Pennsylvania 19104 Catalog Year
1977-78

contact person:
Dr. Bernard McNamee, Chairperson
Department of Civil Engineering
(215) 895-2000

program title: **Energy Sources & Systems, Environmental Engineering & Science**
department: **Civil Engineering**
degree: **Graduate**

DUKE UNIVERSITY

Durham, North Carolina 27706 Catalog Year
1977

contact person:
Dr. Aleksander S. Vesić, Dean
School of Engineering
(919) 684-2434

program title: **Civil Engineering/Urban and Environmental Engineering**
department: **Civil Engineering**
degree: **Graduate**

EASTERN OKLAHOMA STATE COLLEGE

Wiburton, Oklahoma 74578 Catalog Year
1975-77

contact person:
Dr. James D. Helmert, Chairperson
Division of Engineering & Science
(918) 465-2361

* program title: **Environmental Technology**
department: **Engineering and Science**
degree: **2 year**

FAYETTEVILLE TECHNICAL INSTITUTE

P.O. Box 5236
Fayetteville, North Carolina 28303

Catalog Year
1975-77

contact person:
Dr. Gordon L. Dwiggins, Chairperson
Department of Environmental Engineering Technology
(919) 323-1961

program title: **Environmental Engineering Technology**
department: **Environmental Engineering Technology**
degree: **2 year**

FLORIDA INSTITUTE OF TECHNOLOGY

Jensen Beach, Florida 33457

Catalog Year
1977-78

contact person:
Dr. Joseph Gilio, Head
Environmental Program
(305) 334-4200

program title: **Environmental Technology**
department: **Natural Science and Environmental Technology**
degree: **2 year**
4 year

FLORIDA INSTITUTE OF TECHNOLOGY

Melbourne, Florida 32901

Catalog Year
1977-78

contact person:
Dr. D. Mason, Head
Environmental Engineering Department
(305) 723-3701

program title: **Environmental Engineering**
department: **Environmental Engineering**
degree: **4 year**
Graduate

FLORIDA INTERNATIONAL UNIVERSITY

Tamiami Trail
Miami, Florida 33199

Catalog Year
1977-78

contact person:
Dr. Jose Villati, Coordinator
Environmental and Urban Systems
(305) 552-2824

program title: **Civil Engineering Technology - Environmental Option**
department: **Engineering Technology**
degree: **4 year**

FLORIDA TECHNOLOGICAL UNIVERSITY

Orlando, Florida 32816

Catalog Year
1976-77

contact person:
Mr. Harold L. Griffith
Associate Professor
(305) 275-2268

program title: **Environmental Control Technology Module**
department: **Engineering Technology**
degree: **4 year**

GARRETT COMMUNITY COLLEGE

Mosser Road
McHenry, Maryland 21541

Catalog Year
1976-77

contact person:
Mr. Oscar R. Harman, Chairperson
Associate Professor
(301) 387-6666 or 245-2181

* program title: **Environmental and Renewable Resources Technology**
emphasis: **Field survey world involving natural resources**
department: **Mathematics - Science Division**
degree: **2 year**

GEORGE WASHINGTON UNIVERSITY

School of Engineering & Applied Science
Washington, D.C. 20052

Catalog Year
1977

contact person:
Dr. A. Cambel
Chairperson
(202) 676-6000

program title: **Environmental - Oriented Civil Engineering Option**
emphasis: **Courses in Hydrology; Environmental Microbiology; Environmental Chemistry; Solid Waste Disposal; Environmental Engineering Problems; Waste and Pollution Control; Water Supply & Resources**
degree: **4 year**

GEORGIA INSTITUTE OF TECHNOLOGY

225 North Ave., N.W.
Atlanta, Georgia 30332

Catalog Year
1977-78

contact person:
Dr. Charles R. Vail, Associate Dean
College of Engineering
(404) 894-3354

program title: **Environmental Studies**
emphasis: **Variable, including concentrations in air, water, and wastewater**
department: **College of Engineering**
degree: **Certificate**

GONZAGA UNIVERSITY

Spokane, Washington 99258

Catalog Year
1977-79

contact person:
Dr. William P. Ilgen, Dean
School of Engineering
(509) 328-4220

program title: **Engineering Science (Environmental Option)**
emphasis: **Water and Wastewater treatment**
department: **School of Engineering**
degree: **4 year**

GREENVILLE TECHNICAL COLLEGE

South Pleasantburg Drive
291 Bypass
P.O. Box 5616
Greenville, South Carolina 29606

Catalog Year
1977-78

contact person:
Mr. Steve Robinson, Project Director
Environmental Systems Technology
(803) 242-3170

program title: **Environmental Systems Technology**
emphasis: **Wastewater treatment plant operations**
department: **Environmental Chemical Technology**
degree: **2 year**

HAMPTON INSTITUTE

Hampton, Virginia 23668

Catalog Year
1976-77

contact person:
Dr. Artar Trehan, Associate Professor
Electric Engineering and Head, Studies in Engineering
(804) 727-5000

* program title: **Civil Engineering with an Environmental option**
department: **Civil Engineering (Division of Pure and Applied Science)**
degree: **4 year**

HOWARD UNIVERSITY

School of Engineering
Washington, D.C. 20059

Catalog Year
1976-78

contact person:
Dr. Irving W. Jones, Chairperson
Civil Engineering Department
(202) 636-6565

program title: **Environmental Engineering**
emphasis: **4 courses in Air Pollution; Noise; Environmental Control; and Public Health Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

HOWARD UNIVERSITY

Washington, D.C. 20059

Catalog Year
1976-78

contact person:
Dr. James Johnson, Acting Coordinator
EWRE Program
(202) 636-6565

program title: **Environmental and Water Resources Engineering (EWRE)**
department: **Civil Engineering**
degree: **4 year**
Graduate

HUMBOLDT STATE UNIVERSITY

Arcata, California 95521

Catalog Year
1978-79

contact person:
Dr. R. A. Gearheart
Professor
(707) 826-3135

program title: **Environmental Resource Engineering**
emphasis: **Water Quality, Water Resources, Solid Waste, Air Quality, Geo-technique**
department: **Engineering Department**
degree: **4 year**

INDIANA INSTITUTE OF TECHNOLOGY

1600 E. Washington Blvd.
Fort Wayne, Indiana 46803

Catalog Year
1977-79

contact person:
Dr. Michael A. Boles, Division Head
Engineering
(219) 422-5561

program title: **Civil Engineering**
department: **Engineering**
degree: **4 year**

INDIANA INSTITUTE OF TECHNOLOGY

1600 E. Washington Blvd.
Fort Wayne, Indiana 46803

Catalog Year
1977-79

contact person:
Dr. Michael A. Boles, Division Head
Engineering
(219) 422-5561

program title: **Mechanical Engineering**
department: **Engineering**
degree: **4 year**

IOWA LAKES COMMUNITY COLLEGE

101½ North Sixth Street
Estherville, Iowa 51334

Catalog Year
1976

contact person:
Mr. Gene Schorzmann, Assistant Superintendent
Instruction
(712) 362-2601

program title: **Environmental Technician Program**
department: **Science**
degree: **2 year**

JEFFERSON COUNTY TECHNICAL INSTITUTE

4000 Sunset Boulevard
Steubenville, Ohio 43952

Catalog Year
1975-76

contact person:
Dr. Wid J. Painter
Associate Professor
(614) 264-5591

program title: **Environmental Engineering Technology**
department: **Engineering technology**
degree: **2 year**

JOHNS HOPKINS UNIVERSITY

34th & Charles Streets
Baltimore, Maryland 21218

Catalog Year
1976-77

contact person:
Dr. M. Gordon Wolman
Chairperson
(301) 338-7090

program title: **Environmental Engineering Program**
emphasis: **Environmental Engineering, Environmental Planning and Decision Making, Urban Environment**
department: **Geography and Environmental Engineering**
degree: **Graduate**

KANSAS STATE UNIVERSITY

E 108 Seaton Hall
Manhattan, Kansas 66506

Catalog Year
1976-77

contact person:
Dr. Paul L. Miller, Head
Department of Mechanical Engineering
(913) 532-5610

program title: **Mechanical Engineering**
department: **Mechanical Engineering**
degree: **4 year**
Graduate

KANSAS TECHNICAL INSTITUTE

2409 Scanlan Avenue
Salina, Kansas 67401

Catalog Year
1976-78

contact person:
Dr. Donald L. Buchwald,
Assistant Academic Dean
(913) 825-0275

program title: **Environmental Protection Technology**
emphasis: **Theory & laboratory instruction involving land, air and water quality**
department: **Civil Engineering Technology**
degree: **2 year**

LEHIGH UNIVERSITY

Bethlehem, Pennsylvania 18015

Catalog Year
1977-79

contact person:
Dr. Leonard A. Wenzel
Chairperson
(215) 691-7000

program title: **Chemical Engineering**
emphasis: **Wastewater, Air Pollution, Energy, Noise**
department: **Chemical Engineering, College of Engineering and Physical Sciences**
degree: **4 year**

LEHIGH UNIVERSITY

Bethlehem, Pennsylvania 18015

Catalog Year
1977-79

contact person:
Dr. David A. Van Horn
Chairperson
(215) 691-7000

program title: **Civil Engineering**
emphasis: **Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate
comments: **Environmental Engineering (Water & Wastewater) Internship; Environmental Health Engineering (Vector Control, Air Pollution, Water Quality, Solid Waste).**

MANATEE JUNIOR COLLEGE

P.O. Box 1849
Bradenton, Florida 33506

Catalog Year
1978-79

contact person:
Dr. Burnette R. Tinsley, Jr., Dean
Occupational and Technical Education
(813) 755-1511

program title: **Environmental Technology**
department: **Technology**
degree: **2 year**

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Cambridge, Massachusetts 02139 Catalog Year
1977

contact person:
Dr. Peter S. Eagleson
Chairperson
(617) 253-2725

program title: **Environmental Engineering**
emphasis: **Basic Engineering, Environmental Engineering, Environmental Policy**
department: **Interdepartmental**
degree: **4 year**
Graduate

MEMPHIS STATE UNIVERSITY

Memphis, Tennessee 38152 Catalog Year
1977-78

contact person:
Dr. Thomas S. Fry, Chairperson
Department of Civil Engineering
(904) 454-2746

program title: **Environmental Engineering**
emphasis: **Water Resources, Waste Disposal, Solid Waste Management**
department: **Civil Engineering**
degree: **Graduate**

MICHIGAN STATE UNIVERSITY

East Lansing, Michigan 48824

Catalog Year
1976-77
1977-78

contact person:
Dr. Mackenzie L. Davis
Department of Civil & Sanitary Engineering
(517) 353-6847

program title: **Environmental Engineering**
department: **Civil & Sanitary Engineering**
degree: **4 year**
Graduate

MICHIGAN STATE UNIVERSITY

Department of Fisheries & Wildlife
East Lansing, Michigan 48824

Catalog Year
1978

contact person:
Dr. David Johnson, Coordinator
Natural Resources & Environmental Education
(517) 355-4477

program title: **Natural Resources & Environmental Engineering**
department: **College of Agriculture & Natural Resources**
degree: **4 year**
Graduate

MISSISSIPPI STATE UNIVERSITY

Mississippi State, Mississippi 39762

Catalog Year
1978-79

contact person:
Dr. W. R. Carnes, Associate Dean
Director of Instruction, College of Engineering
(601) 325-2266

program title: **Sanitary Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

MONROE COUNTY COMMUNITY COLLEGE

1555 South Raisinville Road
Monroe, Michigan 48161

Catalog Year
1975-77

contact person:
Dr. Hans S. Posselt, Professor
Environmental Control Technology
(313) 242-7300

* program title: **Environmental Technology**
department: **Division of Science & Mathematics**
degree: **2 year**

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

Butte, Montana 59701

Catalog Year
1977-80

contact person:
Dr. Thomas Waring
Associate Professor of Environmental Engineering and Biological Sciences
(406) 792-8321

program title: **Environmental Engineering**
emphasis: **Air and Water Pollution, Industrial Hygiene and Land Reclamation**
department: **Environmental Engineering**
degree: **4 year**
comments: **Institution also offers a program entitled "Occupational Safety and Health" through the Environmental Engineering Department:**

MUSKINGUM AREA TECHNICAL COLLEGE

1555 Newark Road
Zanesville, Ohio 43701

Catalog Year
1978

contact person:
Mr. Charles M. Woolf, Division Chairperson
Division of Engineering & Science
(614) 454-2501

program title: **Natural Resources Conservation Technology**
department: **Division of Engineering & Science**
degree: **2 year**

NEW JERSEY INSTITUTE OF TECHNOLOGY

323 High Street
Newark, New Jersey 07102

Catalog Year
1977-79

contact person:
Dr. Eugene H. Smithberg, Dean
Graduate Division
(201) 645-5321

program title: **Environmental Engineering**
department: **Interdisciplinary Studies in Environmental Engineering, Environmental Engineering Committee**
degree: **Graduate**
comments: **designed for students who do not have background in civil engineering**

NEW JERSEY INSTITUTE OF TECHNOLOGY

323 High St.
Newark, New Jersey 07102

Catalog Year
1977-79

contact person:
Dr. Eugene H. Smithberg, Dean
Graduate Division
(201) 645-5321

program title: **Environmental Engineering**
department: **Civil & Environmental Engineering**
degree: **4 Year**
Graduate

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

Socorro, New Mexico 87801 Catalog Year
1975-77

contact person:
Dr. Lawrence E. Murr, Professor
Mettallurgical and Materials
Engineering and Head of the Department
(505) 835-5011

program title: **Environmental Engineering**
emphasis: **Water-Wastewater and Air Pollution**
department: **Department of Petroleum and Mining Engineering and the Department of Metallurgical and Materials Engineering**
degree: **4 year**

NORTH CAROLINA STATE UNIVERSITY

Raleigh, North Carolina 27611 Catalog Year
1976-78

contact person:
Dr. Charles Smallwood, Jr. , Professor
Civil Engineering
(919) 737-2331

program title: **Environmental Engineering**
emphasis: **Water and Wastewater Treatment, Hydrology, Energy Recovery/Conversion**
department: **Civil Engineering**
degree: **Graduate**

NORTHEASTERN UNIVERSITY

Lincoln College
219 Hayden Hall
360 Huntington Avenue
Boston, Massachusetts 02115

Catalog Year
1977-78

contact person:
Dr. William F. King, Director
Associate Dean of Engineering
(617) 437-2200

program title: **Environmental Engineering Technology**
emphasis: **Water treatment, Drinking water, wastewater and sewage**
department: **Lincoln College**
degree: **4 year**

NORTHEASTERN UNIVERSITY

College of Engineering
360 Huntington Ave.
Boston, Massachusetts 02115

Catalog Year
1977-78

contact person:
Dr. John J. Cochrane, Professor
Chairperson, Civil Engineering Department
(617) 437-2200

program title: **Civil Engineering - Environmental Option**
emphasis: **Water Supply, Treatment, Wastewater, Solid Waste, Air**
department: **Civil Engineering**
degree: **4 year**

NORTHEASTERN UNIVERSITY

College of Engineering
Boston, Massachusetts 02115

Catalog Year
1977-78

contact person:
Dr. John J. Cochrane, Professor
Chairperson, Civil Engineering Department
(617) 437-2444

program title: **Environmental Option**
emphasis: **A Cooperative Program in Solid Waste, Air, Wastewater, and Water Quality**
department: **Civil Engineering**
degree: **4 year**
Graduate

NORTHEASTERN UNIVERSITY

Graduate School of Engineering
Boston, Massachusetts 02115

Catalog Year
1977-78

contact person:
Dr. George W. Hankinson, Chairperson
Assistant Dean of Engineering, Director of the Graduate School of Engineering
(617) 437-2000

* program title: **Environmental Engineering Program**
emphasis: **Air, Wastewater**
department: **Civil Engineering**
degree: **Graduate**

NORTHEASTERN UNIVERSITY

360 Huntington Ave.
Boston, Massachusetts 02115

Catalog Year
1977-78

contact person:
Dr. John J. Cochrane, Professor
Chairperson, Civil Engineering Department
(617) 437-2444

program title: **Environmental Engineering & Science**
emphasis: **Composite**
department: **Civil Engineering**
degree: **Graduate**

NORTHERN ESSEX COMMUNITY COLLEGE

100 Elliot Street
Haverhill, Massachusetts 01830

Catalog Year
1974-76

contact person:
Dr. Francis Collopy, Chairperson
Department of Civil Technology &
Environmental Technology
(617) 374-0721

program title: **Environmental Technology**
emphasis: **Air, Water, Solid Waste Disposal; Broad based foundation in the chemical and biological sciences as they apply to the problems involved with processing waste and recycling its byproducts.**
department: **Division of Engineering and Technical Studies**
degree: **2 year**

NORTHWESTERN UNIVERSITY

The Technological Institute
Room 2474
Evanston, Illinois 60201

Catalog Year
1975-76

contact person:
Dr. Jorj O. Osterberg, Chairperson
Civil Engineering
(312) 492-3741

* program title: **Civil Engineering**
department: **Civil Engineering**
degree: **Graduate**

NORTHWESTERN UNIVERSITY

Evanston, Illinois 60201

Catalog Year
1976-77

contact person:
Dr. Bruno A. Boley, Dean
Technological Institute
(312) 492-5220

program title: **Environmental Engineering Interdisciplinary Program**
department: **The Technological Institute (School of Engineering)**
degree: **4 year**

NORWALK STATE TECHNICAL COLLEGE

181 Richards Avenue
Norwalk, Connecticut 06854

Catalog Year
1977-79

contact person:
Dr. Walter H. Bretthauer, Chairperson
Chemical Department
(203) 838-0601

* program title: **Chemical Engineering Technology-Environmental Science**
emphasis: **Analyzing air & water for pollutants using wet chemical and modern instrumental methods. Also methods for controlling pollution**
department: **Chemistry**
degree: **2 year**

NORWICH UNIVERSITY/VERMONT COLLEGE

Northfield, Vermont 05663

Catalog Year
1976-77

contact person:
Dr. Charles Elwood Chevalier, Professor
Mechanical Engineering; Head , Engineering Technology
(802) 485-5011

program title: **Environmental Control**
department: **Engineering and Technology**
degree: **Graduate**

NORWICH UNIVERSITY/VERMONT COLLEGE

Northfield, Vermont 05663

Catalog Year
1976-77

contact person:
Dr. C. Chevalier, Professor
Mechanical Engineering, Head
Engineering and Technology
(802) 485-5011

program title: **Environmental Engineering Technology**
emphasis: **Engineering oriented technology base, interdisciplinary courses in chemistry, physics, biology and air and water monitoring**
department: **Engineering & Technology**
degree: **4 year**
Graduate

OREGON INSTITUTE OF TECHNOLOGY

Oretech Post Office
Klamath Falls, Oregon 97601

Catalog Year
1977-78

contact person:
Dr. Leroy H. Fisk
Curriculum Coordinator
(503) 882-6321

program title: **Environmental Technology**
department: **Division of Engineering Technology**
degree: **4 year**

PARKERSBURG COMMUNITY COLLEGE

Parkersburg, West Virginia 26101 Catalog Year
1975-77

contact person:
Dr. Jerome J. Dunn, Chairperson
Division of Engineering Technologies
Assistant Professor of Engineering
(304) 485-7961

* program title: **Environmental Engineering Technology**
degree: **Certificate**
2 year

PASCO-HERNANDO COMMUNITY COLLEGE
2401 State Highway 41 North
Dade City, Florida 33525 Catalog Year
1977-79

contact person:
Mr. Omar Ergle, Director
Vocational & Technical Programs
(904) 567-6701

program title: **Environmental Pollution Control Technology**
department: **Environmental Pollution Control Technology**
degree: **2 year**

PENNSYLVANIA STATE UNIVERSITY

226 Merrel R. Fenske Laboratory
University Park, Pennsylvania 16802

Catalog Year
1977-78

contact person:
Dr. John B. Nesbitt, In Charge
Graduate Programs in Environmental
Pollution Control
(814) 865-1226

program title: Environmental Pollution Control (EPC)
emphasis: Air, Water, Solid Waste
department: A University wide interdisciplinary program which involves 17 participating departments
degree: Graduate

PENNSYLVANIA STATE UNIVERSITY

212 Sackett Building
University Park, Pennsylvania 16802

Catalog Year
1977-78

contact person:
Dr. Raymond E. Untrauer, Head
Department of Civil Engineering
(814) 865-8391

program title: Environmental Engineering
emphasis: Air, Water, Solid Waste and Radiological Protection
department: College of Engineering
Civil Engineering
degree: 4 year
Graduate

PITT TECHNICAL INSTITUTE

P.O. Drawer 7007
Greenville, North Carolina 27834

Catalog Year
1978-79

contact person:
Mr. Dean E. Painter
Department Chairperson
(919) 756-3130 Ext. 241

program title: **Air and Water Resources Technology**
emphasis: **Air and water pollution**
department: **Air and Water Resources**
degree: **2 year**

POLYTECHNIC INSTITUTE OF NEW YORK

Brooklyn, New York 11201

Catalog Year
1975-76

contact person:
Dr. George Bugliarello
President
(212) 643-5000

program title: **Environmental Engineering & Planning Program**
emphasis: **Courses in Water Quality Engineering, Air Resources Engineering, Environmental Health Science & Environmental Planning, Water Resources Engineering**
department: **Civil & Environmental Engineering Department**
degree: **Certificate**
Graduate

PURDUE UNIVERSITY

West Lafayette, Indiana 47907

Catalog Year
1976-78

contact person:
Dr. Harold L. Michael, Head
School of Civil Engineering
(317) 749-8111

program title: **Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

PURDUE UNIVERSITY

Agricultural Engineering Department
West Lafayette, Indiana 47907

Catalog Year
1976-78

contact person:
Dr. G. W. Issaacs, Head
Department of Agricultural Engineering
(317) 749-2971

program title: **Water Resources Planning & Management**
Environmental Control
department: **Agricultural Engineering**
degree: **Graduate**

QUINSIGAMOND COMMUNITY COLLEGE

670 W. Boylston St.
Worcester, Massachusetts 01606

Catalog Year
1975-76

contact person:
Mr. Samuel L. Albert, Dean
Continuing Education
(617) 853-2300 or 852-2400 (evenings)

* program title: **Environmental Technology (Division of Continuing Education)**
emphasis: **Basic concepts of Applied Science, Calculations, and Communication**
department: **College of Business and Para-Professional Career Programs, Division of Health Sciences**
degree: **2 year**

RENSSELAER POLYTECHNIC INSTITUTE

Troy, New York 12181

Catalog Year
1977-78

contact person:
Dr. David Hansen, Chairperson
Department of Chemical and Environmental Engineering
(518) 270-6377

program title: **Environmental Engineering**
emphasis: **Water Resources, Air Pollution, Solid Waste, Radiation Health**
department: **Department of Chemical & environmental Engineering**
degree: **4 year**
Graduate

J. SARGEANT REYNOLDS COMMUNITY COLLEGE

Richmond, Virginia 23241

Catalog Year
1977-78

contact person:
Dr. Earl W. Cameron, Division Chairperson
Engineering and Engineering Technology
(804) 264-3225

program title: **Environmental Technology Program**
emphasis: **Specializations in Environmental Engineering Technology; Environmental Health Technology**
department: **Division of Engineering and Engineering Technology**
degree: **2 year**

RHODE ISLAND JUNIOR COLLEGE

Knight Campus
Warwick, Rhode Island 02886

Catalog Year
1977-78

contact person:
Mr. Richard P. Anderson, Associate Professor of Vocational Technical Education, Dean, of Division of Vocational Technical Education
(401) 825-1000

* program title: **Chemical Technology-Environmental Technology Option**
emphasis: **Lab skills; background in fundamental biology concepts; stress on techniques of sampling & analyzing biological samples**
department: **Division of Vocational Technology Education**
degree: **2 year**

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

Terre Haute, Indiana 47803

Catalog Year
1975-77

contact person:
Robert Steinhauser, Professor
Div. of Civil & Mechanical Engineering
(812) 877-1511

program title: **Civil Engineering**
emphasis: **Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**

SHORELINE COMMUNITY COLLEGE

16101 Greenwood Avenue, North
Seattle, Washington 98133

Catalog Year
1976-77

contact person:
Dr. Anthony Barone
Program Coordinator
(206) 546-4589

* program title: **Environmental Technology**
emphasis: **Current environmental topics**
department: **Division of Science and social science**
degree: **2 year**

SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE

Carbondale, Illinois 62901

Catalog Year
1977-78

contact person:
Dr. Juh W. Chen, Chairperson
Department of Thermal & Environmental Engineering
(618) 536-2396

program title: **Thermal and Environmental Engineering**
emphasis: **Air Pollution Control, Water Pollution Control, Water Supply & Resources, Energy related environmental problems**
department: **Thermal and Environmental Engineering**
degree: **4 year**

SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE

Edwardsville, Illinois 62025

Catalog Year
1977

contact person:
Dr. William E. Hard, Chairperson
Department of Engineering & Technology, School of Science & Technology
(618) 692-2000

program title: **Urban and Environmental Engineering**
department: **Engineering and Technology**
degree: **4 year**

SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE

Edwardsville, Illinois 62025

Catalog Year
1977

contact person:
Dr. William E. Hard, Chairperson
Engineering & Technology School of Science & Technology
(618) 692-2000

program title: **Sanitation Technology**
department: **Engineering & Technology**
degree: **4 year**
comments: **The name of this program is being changed to Environmental Systems Technology**

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

Armory Square
Springfield, Massachusetts 01105

Catalog Year
1976-77

contact person:
Dr. John Donohue, Chairperson
Division of Engineering Technologies
(413) 781-6470

* program title: **Environmental Technology**
emphasis: **Oriented towards environmental engineering. Course of study is specifically designed for those interested in pollution control**
department: **Environmental Technology**
degree: **2 year**

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

Armory Square
Springfield, Massachusetts 01105

Catalog Year
1976-77

contact person:
Dr. John T. Donahue, Chairperson
Division of Engineering Technologies
(413) 781-6470

* program title: **Environmental Technology**
Solar Energy Option
emphasis: **Environmental Technology-Wastewater, Air, Water**
degree: **2 year**

STATE UNIVERSITY OF NEW YORK AT SYRACUSE

College of Environmental Science and Forestry
Syracuse, New York 13210

Catalog Year
1978-79

contact person:
Dr. Wilfred A. Cote, Dean
Environmental and Resource Engineering
(315) 473-8620

program title: **Environmental and Resource Engineering**
emphasis: **Forest Engineering, Wood Production Engineering and Paper Science & Engineering**
department: **School of Environmental and Resource Engineering**
degree: **4 year**
Graduate

STEVENS INSTITUTE OF TECHNOLOGY

Hoboken, New Jersey 07030

Catalog Year
1977-78

contact person:
Dr. Sidney F. Borg
(201) 792-2700

program title: **Civil Engineering with a concentration in Sanitary Environmental Engineering**
department: **Mechanical Engineering**
degree: **Certificate**
Graduate

SUMTER AREA TECHNICAL COLLEGE

506 Guignard Drive
Sumter, South Carolina 29150

Catalog Year
2 year

contact person:
Mr. Robert C. Chen, Head
Environmental Engineering
(803) 773-9371

program title: **Environmental Engineering Technology**
department: **Technical Division**
degree: **2 year**

SYRACUSE UNIVERSITY

L.C. Smith College of Engineering
Syracuse, New York 13270

Catalog Year
1977-78

contact person:
Drs. Philip A. Rice & Myrton C.. Rand
Co-Chairpersons
(315) 423-4570

program title: **Environmental Engineering Program**
department: **Interdisciplinary**
degree: **4 year**

SYRACUSE UNIVERSITY

Syracuse, New York 13210

Catalog Year
1977-78

contact person:
Dr. James A. Luker, Dean
College of Engineering
(315) 423-4341

program title: **Sanitary Engineering, Sanitary Science; Civil Engineering**
emphasis: **Sanitary Engineering, Solid Wastes, Air Resources, Industrial Wastes Treatment, Water Resources Engineering**
department: **Civil Engineering**
degree: **Graduate**

TEMPLE UNIVERSITY

Philadelphia, Pennsylvania 19122 Catalog Year
1976

contact person:
Dr. Frederick B. Higgins, Chairperson
Department of Civil & Environmental Engineering Technology
(215) 787-7816

program title: **Environmental Engineering Technology (B.S.)**
Environmental Technology (A.T.)
emphasis: **Energy, Air, Wastewater, Solid Waste Management, Water Treatment, Environmental Planning, Energy Resource Development**
department: **College of Engineering Technology**
degree: **2 year**
4 year

TEXAS A & M UNIVERSITY

College Station, Texas 77843 Catalog Year
1977-78

contact person:
Dr. Harold W. Wolf, Professor
Civil Engineering & Head of Division
(713) 845-3011

program title: **Environmental Engineering Division**
emphasis: **Air Quality, Water Quality, Solid Waste Management; Environmental Control Systems**
department: **Civil Engineering**
degree: **4 year**
Graduate

TRINIDAD STATE JUNIOR COLLEGE

Trinidad, Colorado 81082 Catalog Year **1977-78**

contact person:
Dr. Richard Langom
Professor
(303) 846-5011

program title: **Civil Environmental Technology**
department: **Civil Environmental Technology**
degree: **2 year**
comments: **Offers two water/wastewater courses.**

UNION COLLEGE

Schenectady, New York 12308 Catalog Year **1977-78**

contact person:
Dr. Phillip D. Snow, Director
Engineering
(518) 370-6000

program title: **Civil Engineering**
emphasis: **Bioengineering specialization in Environmental Engineering**
department: **Division of Engineering and Applied Science**
degree: **4 year**

UNIVERSITY OF ALABAMA

University, Alabama 35486 Catalog Year
1978-80

contact person:
Dr. W. Edward Lear, Dean
College of Engineering
(205) 348-6400

program title: **Ph.D. in Civil Engineering**
emphasis: **Specialization possible in potable water, wastewater, air pollution, and solid waste**
department: **Civil Engineering**
degree: **Graduate**

UNIVERSITY OF ALABAMA

University, Alabama 35486 Catalog Year
1978-80

contact person:
Dr. W. Edward Lear, Dean
College of Engineering
(205) 348-6400

program title: **Civil Engineering**
emphasis: **Environmental Engineering & Water Resources**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF ALABAMA

University, Alabama 35486

Catalog Year
1978-80

contact person:
Dr. W. Edward Lear, Dean
College of Engineering
(205) 348-6400

program title: **Environmental Engineering**
department: **Civil Engineering**
degree: **Graduate**

UNIVERSITY OF ALABAMA

University, Alabama 35486

Catalog Year
1978-80

contact person:
Dr. W. Edward Lear, Dean
College of Engineering
(205) 348-6400

program title: **Metallurgical Engineering**
emphasis: **Energy Conversion, Conservation, Resources, Air Pollution Control**
department: **Chemical & Metallurgical Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF ALABAMA

University, Alabama 35486 Catalog Year
1978-80

contact person:
Dr. W. Edward Lear, Dean
College of Engineering
(205) 348-6400

program title: **Chemical Engineering**
emphasis: **Air Pollution Control, Waste Water, Energy Conversion, Resources, Conservation**
department: **Chemical & Metallurgical Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF ALABAMA

University, Alabama 35486 Catalog Year
1976

contact person:
Dr. G. P. Whittle, Chairperson
Environmental Engineering Committee
(205) 348-6550

program title: **Environmental Engineering**
department: **Civil Engineering**
degree: **Graduate**

UNIVERSITY OF CALIFORNIA AT BERKELEY

Berkeley, California 94720

Catalog Year
1977-78

contact person:
Dr. Carl L. Monismith
Chairperson
(415) 642-6000

program title: **Environmental Health Engineering**
department: **Civil Engineering**
degree: **Graduate**
comments: **In conjunction with the School of Public Health**

UNIVERSITY OF CALIFORNIA AT DAVIS

Davis, California 95616

Catalog Year
1976-77

contact person:
Dr. Charles W. Beadle, Chairperson
Department
(916) 752-0580

program title: **Environmental Technology Systems**
emphasis: **Geophysical systems; social environments**
department: **Department of Mechanical Engineering**
degree: **4 year**
Graduate
comments: **Interdisciplinary program**

UNIVERSITY OF CALIFORNIA AT DAVIS

Davis, California 95616

Catalog Year
1976-77

contact person:
Dr. Charles W. Beadle, Chairperson
Department
(916) 752-0580

program title: **Energy Systems**
emphasis: **Energy Conversion**
department: **Mechanical Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF CINCINNATI

College of Engineering
Cincinnati, Ohio 45267

Catalog Year
1976-78

contact person:
Dr. Louis M. Laushey, Head
Civil & Environmental Engineering
(513) 475-3648

program title: **Civil & Environmental Engineering**
(Environmental Engineering & Sciences)
department: **Civil & Environmental Engineering**
degree: **Graduate**

UNIVERSITY OF CONNECTICUT

Box UGC
Storrs, Connecticut 06268

Catalog Year
1977-78

contact person:
Dr. Peter W. McFadden, Dean
Engineering
(203) 486-2000

program title: **Environmental Engineering**
emphasis: **Air, Land, Water**
department: **Joint Chemical/Civil/Mechanical Engineering Departments, Environmental Engineering Admissions Committee, Chairperson, School of Engineering**
degree: **Graduate**

UNIVERSITY OF DAYTON

Dayton, Ohio 45469

Catalog Year
1975

contact person:
Dr. James Hil Lawler,
Chemical Technology & Environmental Engineering Technology
(513) 229-3627

program title: **Environmental Engineering Technology**
department: **Chemical Technology & Environmental Engineering Technology**
degree: **2 year**

UNIVERSITY OF DELAWARE

Newark, Delaware 19711

Catalog Year
1975-77

contact person:
Dr. Rowland Richards, Jr., Associate Professor
Acting Chairperson
(302) 738-2000

* program title: Environmental Engineering
department: Civil and Mechanical Engineering
Chemical Engineering
degree: Graduate

UNIVERSITY OF DETROIT

4001 W. McNichols Road
Detroit, Michigan 48221

Catalog Year
1977-78

contact person:
Dr. Robert Schmidt, Chairperson
Department of Civil Engineering
(313) 927-1216

program title: Environmental Engineering
emphasis: Potable Water and Wastewater
department: Civil Engineering
degree: 4 year
Graduate

UNIVERSITY OF FLORIDA

College of Engineering
Gainesville, Florida 32611

Catalog Year
1977-78

contact person:
Dr. E. E. Pyatt, Chairperson
Department of Environmental Engineering Sciences
(904) 392-0841

program title: **Environmental Engineering**
department: **Environmental Engineering Sciences**
degree: **4 year**

UNIVERSITY OF FLORIDA

College of Engineering
Gainesville, Florida 32611

Catalog Year
1977-78

contact person:
Dr. J. C. Biery, Chairperson
Department of Chemical Engineering
(904) 392-0941

program title: **Biomedical & Environmental option**
emphasis: **Preparation for graduate work in Environmental Engineering**
department: **Chemical Engineering**
degree: **4 year**

UNIVERSITY OF FLORIDA

Gainesville, Florida 32611

Catalog Year
1977-78

contact person:
Dr. E. E. Pyatt, Chairperson
Department of Environmental Engineering Sciences
(904) 392-0841

program title: **Environmental Resources Management; Environmental biology; Systems Ecology**
department: **Environmental Engineering Sciences**
degree: **Graduate**
comments: **Students may concentrate their programs in one of the three topic areas under program title.**

UNIVERSITY OF HARTFORD

College of Engineering
200 Bloomfield Avenue
West Hartford, Connecticut 06117

Catalog Year
1976-77

contact person:
Dr. T. Skipwith Lewis, Dean
College of Engineering
Associate Professor of Electrical Engineering
(203) 243-4841

program title: **Interdisciplinary Engineering Studies Program**
department: **College of Engineering**
degree: **4 year**

UNIVERSITY OF ILLINOIS
AT CHICAGO CIRCLE

601 South Morgan
Chicago, Illinois 60607

Catalog Year
1977-78

contact person:
Dr. Paul M. Chung, Head
Energy Engineering
(312) 996-3000

*program title: **Environmental Engineering**
emphasis: **Air and Water Resources Option**
or Pollution Control Technology Option
department: **Energy Engineering**
degree: **4 year**

UNIVERSITY OF KENTUCKY

Lexington, Kentucky 40506

Catalog Year
1976-77

contact person:
Dr. John Neal Walker, Chairperson
Department of Agricultural Engineering
(606) 258-9000

program title: **Undesignated**
department: **Agricultural Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF LOUISVILLE

Speed Scientific School
Louisville, Kentucky 40208

Catalog Year
1976

contact person:
Dr. G. A. Plank, Chairperson
Department of Chemical Engineering
(502) 588-6355

program title: **Environmental Engineering**
emphasis: **Air quality, water, wastewater and solid waste management, noise, pollution, radioactive wastes, law**
department: **Chemical and Environmental Engineering (Interdisciplinary)**
degree: **4 year**
Graduate

UNIVERSITY OF LOWELL

1 University Avenue
Lowell, Massachusetts 01854

Catalog Year
1976-78

contact person:
Dr. William B. Moeller, Chairperson
Civil Engineering
(617) 454-7811

program title: **Civil & Nuclear Engineering**
emphasis: **College of Engineering - Civil, Nuclear Engineering, College of Pure and Applied Science**
department: **Environmental Sciences**
Radiological Health Physics
degree: **4 year**
Graduate

UNIVERSITY OF MARYLAND

College Park, Maryland 20742

Catalog Year
1976-77

contact person:
Dr. R.M. Ragan
(301) 454-2438

program title: Civil Engineering
emphasis: Courses available in environmental engineering and water resources
department: Civil Engineering
degree: 4 year

UNIVERSITY OF MASSACHUSETTS AT AMHERST

Amherst, Massachusetts 01003

Catalog Year
1977-78

contact person:
Dr. Clive Dym, Head
Civil Engineering
(413) 545-2508

program title: Option in Environmental Engineering
emphasis: Environmental Engineering
department: Civil Engineering
degree: 4 year

UNIVERSITY OF MASSACHUSETTS AT AMHERST

Amherst, Massachusetts 01003

Catalog Year
1977-78

contact person:
Dr. Donald D. Adrain, Professor
Civil Engineering & Director of
Environmental Engineering Program
(413) 545-0685

program title: **Environmental Engineering**
emphasis: **Solid Waste Treatment and Disposal, Wastewater, potable water**
department: **Civil Engineering**
degree: **Graduate**

UNIVERSITY OF MIAMI

University Station
Coral Gables, Florida 33124

Catalog Year
1977-78

contact person:
Dr. Jerome Catz, Chairperson
Mechanical Engineering Department
(305) 284-2571

program title: **Mechanical Engineering - Environmental Engineering Option**
department: **Mechanical Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF MICHIGAN

College of Engineering
Ann Arbor, Michigan 48104

Catalog Year
1977-78

contact person:
Dr. Jack A. Borchardt,
Environmental Sciences Engineering
(313) 764-6487

program title: **Environmental Sciences Engineering**
department: **College of Engineering (interdepartmental)**
degree: **4 year**

UNIVERSITY OF MINNESOTA

Institute of Technology
112 Mineral & Metallurgical Engineering Building
Minneapolis, Minnesota 55455

Catalog Year
1975-77

contact person:
Dr. Charles Fairhurst, Head
Civil & Mineral Engineering
(612) 373-3135

program title: **Environmental Engineering**
department: **Civil & Mineral Engineering**
degree: **4 year**

UNIVERSITY OF MISSOURI AT KANSAS CITY

1122 East 48th Street
Kansas City, Missouri 64101

Catalog Year
1976-77

contact person:
Dr. Donald R. Smith, Director
UMC-UMKC Coordinated Engineering Program
(816) 276-1672

program title: Civil Engineering
department: Engineering
degree: 4 year

UNIVERSITY OF NEW HAMPSHIRE

Durham, New Hampshire 03824

Catalog Year
1975-76

contact person:
Dr. P. L. Bishop
Chairperson
(603) 862-1428

program title: Environmental Engineering Option
emphasis: Fundamental environmental concepts & methods of design
department: College of Engineering and Physical Sciences - Department of Civil Engineering
degree: 4 year

UNIVERSITY OF NEW MEXICO

Albuquerque, New Mexico 87131 Catalog Year 1977-79

contact person:
Dr. C. L. Hulsbos, Chairperson
Department of Civil Engineering
(505) 277-0111

program title: **Civil Engineering**
emphasis: **Water/Wastewater, Air Pollution and Solid Waste disposal**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Chapel Hill, North Carolina 27514 Catalog Year 1977

contact person:
Dr. Russell F. Christman, Professor
Department Chairperson
(919) 966-1171

program title: **Environmental Management & Protection**
department: **Environmental Sciences & Engineering**
School of Public Health
degree: **Graduate**

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

UNCC Station
Charlotte, North Carolina 28223

Catalog Year
1976-77

contact person:
Dr. L. Ellis King, Chairperson
Department
(704) 597-2000

program title: **Urban and Environmental Engineering**
department: **Urban and Environmental Engineering**
degree: **4 year**

UNIVERSITY OF NOTRE DAME

Notre Dame, Indiana 46556

Catalog Year
1975-77

contact person:
Dr. Don A. Linger, Chairperson
Civil Engineering
(219) 283-6011

* program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF OKLAHOMA

Norman, Oklahoma 73019

Catalog Year
1977-78

contact person:
Dr. William R. Upthegrove, Dean
(405) 325-2621

program title: **Civil Engineering**
emphasis: **Water/Wastewater, Air Pollution, Solid Waste Management**
department: **Civil Engineering and Environmental Science**
degree: **4 year**
Graduate

UNIVERSITY OF PENNSYLVANIA

College of Engineering & Applied Sciences
Philadelphia, Pennsylvania 19174

Catalog Year
1976-77

contact person:
Dr. Arthur E. Humphrey
Dean
(215) 243-7244

* program title: **Civil and Urban Engineering Program**
emphasis: **Courses in Waste Management, Random Vibration, Water Resources, Energy Management**
department: **Civil and Urban Engineering Program**
degree **Graduate**

UNIVERSITY OF PITTSBURGH

Dept. of Civil Engineering
949 BEH
Pittsburgh, Pennsylvania 15261

Catalog Year
1976-80

contact person:
Dr. Joel J. Abrams, Professor
Chairperson Civil Engineering
(412) 624-5354

program title: **Civil Engineering**
emphasis: **Water Resources, Water Supply, Waste Disposal, Air Pollution, Environmental Engineering, Solid Waste Management**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF PITTSBURGH

1140 Benedum Hall
Pittsburgh, Pennsylvania 15261

Catalog Year
1977-79

contact person:
Dr. Patrick J. Athol, Director
Program in Environmental Systems Engineering
(412) 624-5269

program title: **Environmental Systems Engineering**
emphasis: **Transportation, Resource Quality, Design and Planning, Environmental Policy, and Social-Technological Systems Analysis**
department: **School of Engineering (Interdisciplinary)**
degree: **Graduate**

UNIVERSITY OF PUERTO RICO

Aquadella Campus
Aquadella, Puerto Rico 00603

Catalog Year
1977-78

contact person:
Dr. Lynn D. Bender, Dean
Academic Affairs
(809) 891-0925

* program title: **Environmental Technology**
degree: **2 year**

UNIVERSITY OF RHODE ISLAND

Kingston, Rhode Island 02881

Catalog Year
1977-78

contact person:
Dr. William E. Kelly, Chairperson
Civil & Environmental Engineering
(401) 792-2692

program title: **Environmental Engineering**
emphasis: **Water supply & treatment facilities**
department: **Civil and Environmental Engineering**
degree: **Graduate**

UNIVERSITY OF RHODE ISLAND

Kingston, Rhode Island 02881

Catalog Year
1978

contact person:
Dr. William E. Kelly, Chairperson
Civil & Environmental Engineering
(401) 792-2692

program title: **Civil and Environmental Engineering**
emphasis: **Water supply & distribution, sewerage, solid waste disposal, air pollution**
department: **College of Engineering**
degree: **4 year**

UNIVERSITY OF ROCHESTER

Rochester, New York 14601

Catalog Year
1976-77

contact person:
Dr. Howard Brenner, Chairperson
Chemical Engineering Department
(716) 275-2121

* program title: **Environmental Engineering**
emphasis: **Water, Air, Solid Waste**
department: **Chemical Engineering - Interdepartmental**
degree: **4 year**

UNIVERSITY OF SOUTH ALABAMA

307 University Boulevard
Mobile, Alabama 36688

Catalog Year
1976-77

contact person:
Dr. William H. Zehrt
Chairperson
(205) 460-6111

program title: Environmental Engineering Science
department: Civil Engineering
degree: 4 year
comments: A Minor

UNIVERSITY OF SOUTH CAROLINA

Columbia, South Carolina 29201

Catalog Year
1977-78

contact person:
Dr. J. D. Waugh, Dean
College of Engineering
(803) 777-0411

program title: Undesignated
emphasis: Air, water, wastewater and noise
department: College of Engineering
degree: 4 year
Graduate

UNIVERSITY OF TENNESSEE AT NASHVILLE

Tenth and Charlotte
Nashville, Tennessee 37203

Catalog Year
1976

contact person:
Dr. Jerry D. Westbrook, Dean
Division of Engineering
(615) 251-1441

program title: **Environmental Engineering**
department: **Division of Engineering**
degree: **Graduate**

UNIVERSITY OF TENNESSEE AT NASHVILLE

Tenth and Charlotte
Nashville, Tennessee 37203

Catalog Year
1976

contact person:
Dr. Jerry D. Westbrook, Dean
Division of Engineering
(615) 251-1441

program title: **Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**

UNIVERSITY OF TEXAS AT AUSTIN

Austin, Texas 78712 Catalog Year
1978-80

contact person:
Dr. Joseph F. Molina, Chairperson
Civil Engineering Department
(512) 471-4921

program title: **Environmental Health Engineering**
department: **Civil Engineering**
degree: **Graduate**

UNIVERSITY OF TEXAS AT AUSTIN

Austin, Texas 78712 Catalog Year
1978-80

contact person:
Associate Dean for Academic Affairs
College of Engineering
(512) 471-7995

program title: **Environmental Engineering**
department: **Engineering Science**
degree: **4 year**

UNIVERSITY OF TEXAS AT EL PASO

El Paso, Texas 79968

Catalog Year
1977-79

contact person:
Dr. Herbert H. Bartel, Jr., Chairperson
Department
(915) 941-5000

program title: **Civil Engineering**
emphasis: **Air Pollution, Water and Wastewater Treatment**
department: **Department of Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF TEXAS OF THE PERMIAN BASIN

Odessa, Texas 79762

Catalog Year
1978-79

contact person:
Dr. David M. Eggleston
Professor
(915) 367-2219

program title: **Control Engineering**
emphasis: **Mechanical - Electrical Engineering**
department: **Control Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF TOLEDO

2801 W. Bancroft Street
Toledo, Ohio 43606

Catalog Year
1977-78

contact person:
Dr. Roger J. McNichols, Associate Dean
College of Engineering
(419) 537-2405

program title: Environmental Engineering
department: Chemical Engineering, Civil Engineering
degree: 4 year
Graduate

UNIVERSITY OF VERMONT

Burlington, Vermont 05401

Catalog Year
1976-77

contact person:
Dr. J. C. Oppenlander, Professor
Civil Engineering
(802) 656-3480

program title: Environmental Engineering
emphasis: Air, water, wastewater, solid waste
department management, noise & energy
department: Civil Engineering
degree: 4 year
Graduate

UNIVERSITY OF VERMONT

Burlington, Vermont 05401

Catalog Year
1976-77

contact person:
Dr. J. C. Oppenlander, Professor
Civil Engineering
(802) 656-3480

program title: **Civil Engineering**
emphasis: **Environmental Engineering, Water & Waste Water Engineering, Quantititive Analysis for Environmental Engineering, Air Pollution, Solid Wastes, Water Renovation Processes**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF WISCONSIN AT MADISON

2205 Engineering Building
Madison, Wisconsin 53706

Catalog Year
1975-77

contact person:
Dr. William Edward Saul, Chairperson
Civil & Environmental Engineering
(608) 262-3542

program title: **Civil & Environmental Engineering**
department: **Civil & Environmental Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF WISCONSIN AT MILWAUKEE

Engineering & Mathematical Sciences
Milwaukee, Wisconsin 53201

Catalog Year
1975

contact person:
Mr. Vinton Bacon, Professor
Civil Engineering
(414) 963-4962

program title: **Water Resources & Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**

UNIVERSITY OF WYOMING

P.O. Box 3334
University Station, Wyoming 82071

Catalog Year
1977-78

contact person:
Dr. Robert L. Champlin, Associate Professor
Civil Engineering
(307) 766-4121

program title: **Environmental Engineering**
department: **Department of Civil & Architectural Engineering**
degree: **4 year**
Graduate

VANDERBILT UNIVERSITY

Nashville, Tennessee 37240

Catalog Year
1977-78

contact person:
Dr. Karl B. Schnelle, Jr., Chairperson
Department of Environmental Envineering
& Policy Management
(615) 322-4757

program title: **Environmental and Water Resources Engineering/ Environmental Sciences**
emphasis: **Environmental health and law**
department: **Environmental Engineering and Policy Management**
degree: **4 year**

WAUBONSEE COMMUNITY COLLEGE

Illinois Route 47 at Harter Road
Sugar Grove, Illinois 60554

Catalog Year
1976-77

contact person:
Mr. Leland R. Thompson, Assistant Dean
Instruction for the Occupational Programs
(312) 466-4811

*program title: **Environmental Control Technology**
department: **Occupational Programs**
degree: **Certificate**
2 year

WENTWORTH INSTITUTE

550 Huntington Ave.
Boston, Massachusetts 02115

Catalog Year
1975-76

contact person:
Dr. Henry R. Paydar, Head
Civil Engineering Technology
Associate in Engineering
(617) 442-9010

* program title: **Civil Engineering Technology - Environmental option**
emphasis: **Water Quality, Solid Waste Management**
department: **Civil Engineering Technology**
degree: **2 year**

WESTERN KENTUCKY UNIVERSITY

Bowling Green, Kentucky 42101

Catalog Year
1978

contact person:
Dr. Donald R. Rowe
Professor
(502) 745-2461

program title: **Environmental Engineering Technology**
department: **Engineering Technology**
degree: **4 year**

WESTERN MICHIGAN UNIVERSITY

Kalamazoo, Michigan 49008 Catalog Year
1976-77

contact person:
Dr. Raymond L. Janes, Head
Paper Science & Engineering
(616) 383-1600

* program title: **Environmental Engineering**
emphasis: **Paper Industry Processor or Thermal-Energy**
department: **Paper Science & Engineering**
degree: **4 year**

WEST VIRGINIA COLLEGE OF GRADUATE STUDIES

Institute, West Virginia 25112 Catalog Year
1977-78

contact person:
Dr. F. William Kroesser
Associate Professor
(304) 768-9711

program title: **Chemical Engineering**
emphasis: **Environmental Engineering**
department: **Faculty of Engineering & Science**
degree: **Graduate**

WEST VIRGINIA UNIVERSITY

Morgantown, West Virginia 26506 Catalog Year
1976-77

contact person:
Dr. W. J. Wilhelm, Chairperson
Civil Engineering Department, College of Engineering
(304) 293-3031

program title: **Civil Engineering**
emphasis: **Environmental Engineering, Electives in Sanitary Engineering**
department: **Civil Engineering**
degree: **4 year**

WEST VIRGINIA UNIVERSITY

Morgantown, West Virginia 26506 Catalog Year
1976-77

contact person:
Dr. W. J. Wilhelm, Chairperson
Civil Engineering Department, College of Engineering
(304) 293-3031

program title: **Civil Engineering**
emphasis: **Water Resources Engineering, Air Pollution, Solid Waste, Sanitary Engineering, Chemistry & Biology; Biology Waste Treatment, Radiation Health, Water & Waste Treatment**
department: **College of Engineering, Civil Engineering Department**
degree: **Graduate**

WORCESTER POLYTECHNIC INSTITUTE

Worcester, Massachusetts 01609 Catalog Year
1976-77

contact person:
Dr. William R. Grogan, Dean
Undergraduate Studies
(617) 753-1411

program title: **Environmental Engineering and Science**
emphasis: **Air & Water Pollution**
degree: **4 year**
comments: **Majors are in environmental science; environmental engineering; or environmental studies.**

WORCESTER POLYTECHNIC INSTITUTE

Worcester, Massachusetts 01609 Catalog Year
1976-77

contact person:
Dr. Imre Zwiebel, Head
Chemical Engineering Department
(617) 753-1411

program title: **Environmental Engineering**
emphasis: **Pollution and Chemical processing**
department: **Chemical Engineering**
degree: **4 year**

WORCESTER POLYTECHNIC INSTITUTE

Worcester, Massachusetts 01609 Catalog Year
1976-77

contact person:
Dr. Armand J. Silva, Head
Civil Engineering Department
(617) 753-1411

* program title: **Sanitary Engineerng and Water Resources**
emphasis: **Water Supply and Treatment, Wastewater Collection and Treatment, Water Resources Management, Solid Waste Management, Urban & Environmental Planning, Public Health, Radiation Health, Air Pollution Control**
department: **Department of Civil Engineering**
degree: **4 year**

APPENDIX
Programs, Listed by State

STATE	INSTITUTION	PAGE
ALABAMA	Auburn University	10
	University of Alabama	64
	University of Alabama	64
	University of Alabama	65
	University of Alabama	65
	University of Alabama	66
	University of Alabama	66
	University of South Alabama	85
CALIFORNIA	California Institute of Technology	12
	California Institute of Technology	13
	California Polytechnic State University	13
	Canada College	14
	Humboldt State University	32
	University of California at Berkeley	67
	University of California at Davis	67
	University of California at Davis	68
COLORADO	Trinidad State Junior College	63
CONNECTICUT	Norwalk State Technical College	58
	University of Connecticut	69
	University of Hartford	72
DELAWARE	Delaware Technical & Community College	23
	University of Delaware	70

STATE	INSTITUTION	PAGE
DISTRICT OF COLUMBIA	Catholic University of America	25
	George Washington University	29
	Howard University	31
	Howard University	32
FLORIDA	Brevard Community College	12
	Florida Institute of Technology	26
	Florida Institute of Technology	25
	Florida International University	27
	Florida Technological University	28
	Manatee Junior College	37
	Pasco-Hernando Community College	50
	University of Florida	71
	University of Florida	71
	University of Florida	72
	University of Miami	76
GEORGIA	Georgia Institute of Technology	29
ILLINOIS	Northwestern University	47
	Northwestern University	47
	Southern Illinois University at Carbondale	57
	Southern Illinois University at Edwardsville	57
	Southern Illinois University at Edwardsville	58

STATE	INSTITUTION	PAGE
ILLINOIS (cont'd.)	University of Illinois at Chicago Circle	73
	Waubonsee Community College	92
INDIANA	Indiana Institute of Technology	33
	Indiana Institute of Technology	33
	Purdue University	53
	Purdue University	53
	Rose-Hulman Institute of Technology	56
	University of Notre Dame	80
IOWA	Iowa Lakes Community College	34
KANSAS	Kansas State University	35
	Kansas Technical Institute	36
KENTUCKY	University of Kentucky	73
	University of Louisville	73
	Western Kentucky University	93
MARYLAND	Garrett Community College	28
	Johns Hopkins University	35
	University of Maryland	75
MASSACHUSETTS	Boston University	11
	Massachusetts Institute of Technology	38
	Northeastern University	44
	Northeastern University	44
	Northeastern University	45

STATE	INSTITUTION	PAGE
MASSACHUSETTS (cont'd.)	Northeastern University	45
	Northeastern University	46
	Northern Essex Community College	46
	Quinsigamond Community College	54
	Springfield Technical Community College	58
	Springfield Technical Community College	59
	University of Lowell	74
	University of Massachusetts at Amherst	75
	University of Massachusetts at Amherst	76
	Wentworth Institute	93
	Worcester Polytechnic Institute	96
	Worcester Polytechnic Institute	96
	Worcester Polytechnic Institute	97
MICHIGAN	Detroit Institute of Technology	23
	Michigan State University	39
	Michigan State University	39
	Monroe County Community College	40
	University of Detroit	70
	University of Michigan	77
	Western Michigan University	94

STATE	INSTITUTION	PAGE
MINNESOTA	University of Minnesota	77
MISSISSIPPI	Mississippi State University	40
MISSOURI	University of Missouri at Kansas City	78
MONTANA	Montana College of Mineral Science & Technology	41
NEW HAMPSHIRE	Dartmouth College	22
	University of New Hampshire	78
NEW JERSEY	Bergen Community College	10
	New Jersey Institute of Technology	42
	New Jersey Institute of Technology	42
	Stevens Institute of Technology	60
NEW MEXICO	New Mexico Institute of Mining and Technology	43
	University of New Mexico	79
NEW YORK	City University of New York, City College	16
	City University of New York, City College	16
	City University of New York, City College	17
	Clarkson College	17
	Clarkson College	18

STATE	INSTITUTION	PAGE
NEW YORK (cont'd.)	Clarkson College	18
	Columbia University	20
	Cooper Union	21
	Cooper Union	21
	Cornell University	22
	Polytechnic Institute of New York	52
	Rensselaer Polytechnic Institute	54
	State University of New York at Syracuse	59
	Syracuse University	61
	Syracuse University	61
	Union College	62
	University of Rochester	84
NORTH CAROLINA	Duke University	25
	Fayetteville Technical Institute	26
	North Carolina State University	43
	Pitt Technical Institute	52
	University of North Carolina at Chapel Hill	79
	University of North Carolina at Charlotte	80
OHIO	Case Western Reserve University	15
	Cleveland State University	20
	Jefferson County Technical Institute	34

STATE	INSTITUTION	PAGE
OHIO (cont'd.)	Muskingum Area Technical College	41
	University of Cincinnati	68
	University of Dayton	69
	University of Toledo	89
OKLAHOMA	Eastern Oklahoma State College	25
	University of Oklahoma	81
OREGON	Oregon Institute of Technology	49
PENNSYLVANIA	Carnegie-Mellon University, Carnegie Institute of Technology	14
	Drexel University	24
	Drexel University	24
	Lehigh University	36
	Lehigh University	37
	Pennsylvania State University	51
	Pennsylvania State University	51
	Temple University	62
	University of Pennsylvania	81
	University of Pittsburgh	82
	University of Pittsburgh	82
PUERTO RICO	University of Puerto Rico	83
RHODE ISLAND	Rhode Island Junior College	55
	University of Rhode Island	83
	University of Rhode Island	84

STATE	INSTITUTION	PAGE
SOUTH CAROLINA	Clemson University	19
	Clemson University	19
	Greenville Technical College	30
	Sumter Area Technical College	60
	University of South Carolina	85
TENNESSEE	Memphis State University	38
	University of Tennessee at Nashville	86
	University of Tennessee at Nashville	86
	Vanderbilt University	92
TEXAS	Texas A & M University	62
	University of Texas at Austin	87
	University of Texas at Austin	87
	University of Texas at El Paso	88
	University of Texas of the Permian Basin	88
VERMONT	Norwich University/Vermont College	48
	Norwich University/Vermont College	49
	University of Vermont	89
	University of Vermont	90

STATE	INSTITUTION	PAGE
VIRGINIA	Hampton Institute	31
	J. Sargeant Reynolds Community College	55
WASHINGTON	Gonzaga University	30
	Shoreline Community College	56
WEST VIRGINIA	Bluefield State College	11
	Parkersburg Community College	50
	West Virginia College of Graduate Studies	94
	West Virginia University	95
	West Virginia University	
WISCONSIN	University of Wisconsin at Madison	90
	University of Wisconsin at Milwaukee	91
WYOMING	University of Wyoming	91